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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			CANT	First Named Inventor	Charles A. NICOLETTE			
			JANI	Art Unit	1645. 1644			
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	Sheet	1	of	1	Attorney Docket Number	GZ 2098.00	_	

Examiner	Cite	Document Number	Publication Date	CUMENTS  Name of Patentee or	Bases Columns Lines
Initials*	No.1	Number – Kind Code² (if known)	MM-DD-YY	Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
40	1	US-4,631,211	12-23-86	Houghton	
540	2	US-5,101,175	04-23-01 3-31-92	Rutteretal. Valsanen l	
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	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> – Number <sup>4</sup> – Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
MUD	3	WO 92/00252	01-09-92	TAS, Inc.		
-MO	4	WO 97/35035	09-25-97	Nicolette, Charles		
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INFORMATION DISCHOSURE STATEMENT BY APPLICANT

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Sheet 1 of

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Application Number	10/077,629		
Filing Date	February 14, 2002 Charles A. NICOLETTE		
First Named Inventor			
Art Unit	1845 644		
Examiner Name	m. D. Not Yet Assigned		
Attorney Docket Number	GZ 2098.00		

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		9
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal,	T <sup>2</sup>	K
Initials*	No.1	serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	1/2	l
10	1	SINKOVICS, J.G. and HORVATH, J.C. "Vaccination against human cancers (review)" Int. J. Oncol. (2000)		1
inde		16(1):81-96		9
MO	2 _	WEINER, L.M. "Monoclonal antibody therapy of cancer" Semin. Oncol. (October 1999) 26:43-51	<b>X</b>	] <
my)	3 -	ROSELLI, M. et al. "Tumor markers as targets for selective diagnostic and therapeutic procedures" <i>Anticancer Res.</i> (1996) 16(4B):2187-2192	100	
2	4 5	TRAIL, P.A. and BIANCHI, A.B. "Monoclonal antibody drug conjugates in the treatment of cancer" (1999)  11(5):584-588  Cur. Opin. Immuno(094)	1 %	3
140	.5 _	FAGERBERG, J. et al. "Human anti-idiotypic antibodies induced a humoral and cellular immune response against a colorectal carcinoma-associated antigen in patients" PNAS USA (May 1995) 92(11):4773-4777		
mo	6 -	KAWAKAMI, Y. et al. "Cloning of the gene coding for a shared human melanoma antigen recognized by autologous T cells infiltrating into tumor" PNAS USA (April 1994) 91(9):3515-3519		
wo	7 ,	ENGLEHARD, V.H. "Structure of peptides associated with Class I and Class II MHC molecules" Annu. Rev. Immunol. (1994) 12:181-207		
M	8 5	RAMMENSEE, H-G. et.al. "Peptides naturally presented by MHC Class I molecules" Annu. Rev. Immunol. (1993) 11:213-244		
MD	9 ,	HUNT, D.F. et al. "Characterization of peptides bound to the Class I MHC molecule HLA-A2.1 by mass spectrometry" Science (March 1992) 255:1261-1263		
M	10 _	UDAKA, K. et al. "A naturally occurring peptide recognized by alloreactive CD8* cytotoxic T lymphocytes in association with a Class I MHC protein" Cell (June 1992) 69:989-998		
MO	ب 11			
MQ	12	LAMB, J.R. et al. "A novel approach to the identification of T-cell epitopes in mycobacterium tuberculosis using human T-lymphocyte clones" Immunology (1987) 60:1-5		
140	13 🕏	BOON, T. et al. "Tumor antigens recognized by T lymphocytes" Annu. Rev. Immunol. (1994) 12:337-365		l
M	14	NEOPHYTOU, P.I. et al. "T-cell epitope analysis using subtracted expression libraries (TEASEL): application to a 38-kDa autoantigen recognized by T cells from an insulin-dependent diabetic patient" PNAS USA (March 1996) 93:2014-2018		
mo	15 _	GAVIN, M.A. et al. "Major histocompatibility complex class I allele-specific peptide libraries: identification of peptides that mimic an H-Y T cell epitope" Eur. J. Immunol. (1994) 24:2124-2133		
N	16 <sub>ए</sub>	GUNDLACH, B.R. et al. "Determination of T cell epitopes with random peptide libraries" J. Immunol. Meth. (1996) 192:149-155		
WP	17 💂	BLAKE, J. et al. "Use of combinatorial peptide libraries to construct functional mimics of tumor epitopes recognized by MHC Class I-restricted cytolytic T lymphocytes" J. Exp. Med. (July 1996) 184:121-130		U
MQ	18 _	HIEMSTRA, H.S. et al. "The Identification of CD4" T cell epitopes with dedicated synthetic peptide libraries" PNAS USA (September 1997) 94:10313-10318	1	,
w	19	HEMMER, B. et al. "Identification of high potency microbial and self ligands for a human autoreactive Class Il- restricted T cell clone" J. Exp. Med. (May 1997) 185(9):1651-1659		
M	20	CHEN, Y-Z. et al. "Response of a human T cell clone to a large panel of altered peptide ligands carrying single residue substitutions in a antigenic peptide" <i>J. Immunol.</i> (1996) 157:3783-3790		
M	21 _	STRAUSBAUCH, M.A. et al. "Identification of mimotopes for the H4 minor histocompatibility antigen" Intl. Immunol. (1998) 10(4):421-434		ļ
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		Sheet 2 of Attorney Docket Nober GZ 2098.00	
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T²
THE	22 -	VALMORI, D. et al. "Induction of potent antitumor CTL responses by recombinant vaccinia encoding a melan-A peptide analogue" J. Immunol. (2000) 164(2):1125-1131	
Maga	FICE	McMAHAN, C.J. and FINK, P.J. "Receptor revision in peripheral T cells creates a diverse Vβ repertoire" J. Immunol. (2000) 165:6902-6907	
July May	- E	KUSAKA, S. et al. "Clonotype analysis of human alloreactive T cells: a novel approach to studying peripheral tolerance in a transplant recipient" J. Immunol. (2000) 164:2240-2247	
	25	KALERGIS, A.M. et al. "Single amino acid replacements in an antigenic peptide are sufficient to alter the Topics repertoire of the responding CD8* cytotoxic lymphocyte population" J. Immunol. (1999) 162:7263-7270	YUN
	26 _	CHICZ, R.M. and URBAN, R.G. "Analysis of MHC-presented peptides: applications in autoimmunity and vaccing development" <i>Immunol. Today</i> (1994) <b>15</b> (4):155-160	•
M	27 -	SCOTT, J.K. and SMITH, G.P. "Searching for peptide ligands with an epitope library" Science (1990) 249:386-390	2
hu)	28_	CWIRLA, S.E. et al. "Peptides on phage: a vast library of peptides for identifying ligands" PNAS USA (August 1990) 87:6378-6382	8
W	29_	DEVLIN, J.J. et al. "Random peptide libraries: a source of specific protein binding molecules" Science (1990) 249:404-406	132
- W)	30	GEYSEN, H.M. et al. "A priori delineation of a peptide which mimics a discontinuous antigenic determinant" Mol. Immunol. (1986) 23(7):709-715	
MO	31_	GEYSEN, H.M. et al. "Strategies for epitope analysis using peptide synthesis" J. Immunol. Meth. (1987) 102:259- 274	
M	32	FODOR, S.P.A. et al. "Light-directed, spatially addressable parallel chemical synthesis" Science (February 1991) 251:767-773	
MO	33	FURKA, A. et al. "Comucopia of Peptides by Synthesis" 14 <sup>th</sup> Int'l Congress of Biochemistry (1988) Vol 5, Abst. FR:013	
Pari	34 _	FURKA, Á. et al. "General method for rapid synthesis of multicomponent peptide mixtures" Int. J. Peptide Protein Res. (1991) 37:487-493	
40	35	NEEDELS, M.C. et al. "Generation and screening of an oligonucleotide-encoded synthetic peptide library" PNAS USA (November 1993) 90:10700-10704	
Cyl	36	OHLMEYER, M.H.J. et al. "Complex synthetic chemical libraries indexed with molecular tags" PNAS USA (December 1993) 90:10922-10926	
W	37	HEDRICK, S.M. et al. "Isolation of cDNA clones encoding T cell-specific membrane-associated proteins" Nature (March 1984) 308:149-153	
MR	38	LIANG, P. and PARDEE, A.B. "Differential display of eukaryotic messenger RNA by means of the polymerase chain reaction" Science (August 1992) 257:967-971	
Act	39	ADAMS, M.D. et al. "Complementary DNA sequencing: expressed sequence tags and human genome project"  Science (June 1991) 252:1651-1656	
ie	40	ALWINE, J.C. et al. "Method for detection of specific RNAs in agarose gels by transfer to diazobenzyloxymethyl- paper and hybridization with DNA probes" <i>PNAS USA</i> (December 1977) 74:5350-5354	
m	41	ZINN, K. et al. "Identification of two distinct regulatory regions adjacent to the human β-interferon gene" Cell (October 1983) 34:865-879	
MZ	42	VERES, G. et al. "The molecular basis of the sparse fur mouse mutation" Science (July 1987) 237:415-417	$\neg \neg$
mer	43	VAN DER ZEE, R. et al. "Efficient mapping and characterization of a T cell epitope by the simultaneous synthesis of multiple peptides" Eur. J. Immunol. (1989) 19:43-47	
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